

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) An apparatus comprising:

a compression ignition engine operable in a first, normal running mode and a second mode producing exhaust gas comprising an increased level of carbon monoxide (CO) relative to the first mode;

means ~~when in use to~~ switch engine operation between the two modes; and

an exhaust system comprising a catalysed component comprising a substrate monolith comprising a palladium (Pd) catalyst supported on a first support material associated with at least one base metal promoter and a platinum (Pt) catalyst associated with the supported Pd catalyst, wherein the catalysed component is ~~a substrate comprising a supported palladium (Pd) catalyst associated with at least one base metal promoter and an optionally supported platinum (Pt) catalyst associated with the Pd catalyst, which exhaust system component comprising selected from the group consisting of:~~

(i) an oxidation catalyst,

(ii) a catalysed soot filter, and a NO_x trap, a four-way catalyst or a combination of

(iii) a NO oxidation catalyst in combination with a filter located downstream thereof.

~~comprising the Pd catalyst, the associated at least one base metal promoter and the Pt catalyst and a filter downstream thereof.~~

2. (Currently Amended) An apparatus according to claim 1, wherein the engine is configured to produce exhaust gas comprising >2000ppm CO when running in the second mode.

3. (Currently Amended) An apparatus according to claim ~~1 or 2~~, wherein the ~~component~~ substrate monolith further comprises an arrangement of a supported catalyst selected from the group consisting of:
- (a) a first layer comprising the Pt catalyst and a second layer overlying the first layer, which second layer comprising the supported Pd catalyst and the associated at least one base metal promoter;
 - (b) a single washcoat layer, which layer comprising the supported Pd, the associated at least one base metal promoter and the supported Pt catalyst, wherein the Pd catalyst and the Pt catalyst are each supported on a separate and distinct particulate support material; and
 - (c) a supported Pt catalyst located downstream of the supported Pd catalyst and the associated at least one base metal promoter.
4. - 12. (Canceled)
13. (Currently Amended) An apparatus according to claim ~~12~~ 1, wherein the further comprising an engine control means, wherein the engine control means comprises the an engine control unit (ECU).
14. (Currently Amended) An apparatus according to ~~any preceding~~ claim 1, wherein the means for switching between the two modes switches between the first mode and the second mode when the temperature of the supported Pt catalyst is $<250^{\circ}\text{C}$.
15. (Currently Amended) An apparatus according to ~~any preceding~~ claim 2, wherein the Pd catalyst and the Pt catalyst are both disposed on the same support material.
16. (Currently Amended) An apparatus according to ~~any preceding~~ claim 1, wherein the at least one base metal promoter is selected from the group consisting of a reducible oxide, or a basic metal or a mixture and mixtures of any two or more thereof.
17. (Currently Amended) An apparatus according to claim ~~16~~ 16, wherein the at least one reducible oxide is an oxide of a metal selected from the group consisting of manganese, iron, copper, tin, cobalt or and cerium.

18. (Currently Amended) An apparatus according to claim ~~16~~ or 17, wherein the at least one reducible oxide is ~~at least one of~~ selected from the group consisting of MnO_2 , Mn_2O_3 , Fe_2O_3 , SnO_2 , CuO , CoO and CeO_2 .
19. (Currently Amended) An apparatus according to claim ~~16, 17~~ or ~~18~~, wherein the reducible oxide is dispersed on the Pd catalyst support material.
20. (Currently Amended) An apparatus according to claim ~~16, 17~~ or ~~18~~, wherein the Pd catalyst support material ~~per se~~ comprises particulate ~~bulk~~ reducible oxide.
21. (Currently Amended) An apparatus according to claim 16, wherein the at least one basic metal is selected from the group consisting of
 - an alkali metal selected from the group consisting of sodium, potassium and caesium,
 - an alkaline earth metal ~~or~~ selected from the group consisting of barium, magnesium, calcium and strontium,
 - a lanthanide metal ~~or any mixture~~ selected from the group consisting of cerium, praseodymium and lanthanum, and
 - mixtures, compound-oxide oxides or mixed-oxide oxides of any two or more thereof.
22. - 24. (Canceled)
25. (Currently Amended) An apparatus according to ~~any preceding claim~~ 1, wherein the ~~or each support material comprises at least one of~~ is selected from the group consisting of alumina, silica-alumina, ceria, magnesia, titania, zirconia, a zeolite, ~~or a mixture and mixtures,~~ composite-oxide oxides or mixed-oxide oxides of any two or more thereof.
26. - 29. (Canceled)
30. (Currently Amended) An apparatus according to ~~any preceding claim~~ 38, wherein the a supported catalyst part of the catalysed component contains from 0.1 to 30%, ~~optionally 0.5-15%, preferably 1-5%, 30.0%~~ by combined weight of Pt and Pd based on the combined total weight of the supported Pd catalyst and the supported Pt catalyst.

31. (Currently Amended) An apparatus according to ~~any preceding claim 38~~, wherein the a supported catalyst part of the catalysed component contains a weight ratio of from 95:5 to 10:90 Pd:Pt.
32. (Currently Amended) An apparatus according to ~~any preceding claim 1~~, wherein the exhaust system catalysed component comprises from ~~30-300g/ft³~~ 30 to 300g/ft³ Pd and from ~~30-300g/ft³~~ 30 to 300g/ft³ Pt.
33. (Currently Amended) An apparatus according to ~~any preceding claim 38~~, wherein the catalyst contains supported catalysts contain from 0.1 to 10% Pt by weight and from 0.1 to 20% Pd by weight based on the combined total weight of the catalyst and from 0.1 to 20% by weight based on the total weight of the catalyst supported catalysts.
34. (Currently Amended) An apparatus according to ~~any preceding claim 1~~, wherein the engine is a diesel engine, ~~optionally a light duty diesel engine~~.
35. (Canceled)
36. (Currently Amended) A process for operating an apparatus comprising a compression ignition engine ~~and an exhaust system comprising a component comprising an oxidation catalyst, a catalysed soot filter, a NO_x trap, a four way catalyst or a combination of a NO oxidation catalyst and a filter downstream thereof, which component comprising a supported palladium (Pd) catalyst associated with at least one base metal promoter and an optionally supported platinum (Pt) catalyst associated with the Pd catalyst operable in a first, normal running mode and a second mode producing exhaust gas comprising an increased level of carbon monoxide (CO) relative to the first mode, means when in use to switch engine operation between the two modes and an exhaust system comprising a catalysed component selected from the group consisting of:~~
 - (i) an oxidation catalyst;
 - (ii) a catalysed soot filter; and
 - (iii) a NO oxidation catalyst in combination with a filter located downstream thereof,

wherein the catalysed component comprises a substrate monolith comprising a palladium (Pd) catalyst supported on a first support material associated with at least one base metal promoter and a platinum (Pt) catalyst associated with the supported Pd catalyst, which process comprising running the engine in ~~a the~~ first, normal running mode and switching the engine to ~~a the~~ second running mode ~~producing exhaust gas comprising an increased level of carbon monoxide (CO) relative to the first mode wherein the CO is oxidised by the supported Pd catalyst during second mode operation,~~ which switching step being effected when a value of at least one measurable parameter indicative of a condition of the engine is ~~within or~~ outside a pre-determined range.

37. (Currently Amended) A process according to claim 36, wherein the at least one measurable parameter is selected from the group consisting of exhaust gas temperature₇, catalyst bed temperature₇, mass flow of exhaust gas in the system₇, manifold vacuum₇, ignition timing₇, engine speed₇, throttle position (accelerator position)₇, the lambda value of the exhaust gas₇, the quantity of fuel injected in the engine₇, the position of the exhaust gas recirculation (EGR) valve and thereby the amount of EGR₇, boost pressure₇, and engine coolant temperature.
38. (New) An apparatus according to claim 1, wherein the Pt catalyst is supported on a second support material.
39. (New) An apparatus according to claim 1, wherein the substrate monolith comprises an arrangement of the Pd catalyst and Pt catalyst components selected from the group consisting of:
 - (a) a first layer comprising the Pt catalyst and a second layer overlying the first layer, which second layer comprising the supported Pd catalyst and the associated at least one base metal promoter; and
 - (b) a Pt catalyst located downstream of the supported Pd catalyst and the associated at least one base metal promoter.
40. (New) An apparatus according to claim 2, wherein the or each support material is selected from the group consisting of alumina, silica-alumina, ceria, magnesia, titania, zirconia, a zeolite and mixtures, composite oxides or mixed oxides of any two or more thereof.